Lambda Expressions and Capture Continued Exercises

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Capture by Reference

- What effect does capture by reference have?
- What syntax is used?
- Write a simple program which demonstrates capture by reference

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Lambda capture implementation

- How is capture by reference implemented?

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Equivalent code with functor

- Rewrite the program in the first slide to use a functor

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Implicit Capture

- What is meant by implicit capture?
- What syntax is used for implicit capture?

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Implicit Capture Contd

- Is implicit capture safe?
- Can implicit capture be made safer?

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Lambda Functions and Member Functions

- If a lambda expression is defined inside a member function, can it access other members of the object?
- Write a simple program in which a lambda expression is defined inside a member function

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